

Peak District National Park

Forecast valid from 00:00 on Sunday 16 Oct 2022 until 23:59 on Monday 17 Oct 2022

Forecast Issued on Saturday 15 Oct 2022 at 13:00

Confidence: High for quite unsettled for a time late Sunday and again from later Wednesday onwards, but lowering confidence in the detail of poorest conditions.

Headline for Sunday 16 Oct 2022: Turning mostly fair Sunday morning, but periods of occasionally heavy rain for the developing evening and night.

Mountain weather hazards on Sunday 16 Oct 2022

Blizzards
No Likelihood

Heavy persistent snow
No Likelihood

Storm force winds
No Likelihood

Gales
No Likelihood

Severe chill effect
Low Likelihood

Poor visibility
Low Likelihood

Thunderstorms
Low Likelihood

Heavy persistent rain
No Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
							
Heavy rain showers (night)	Light rain showers (night)	Light rain showers (night)	Sunny intervals	Sunny intervals	Cloudy	Cloudy	Light rain
Precipitation probability							
70%	40%	30%	<05%	<05%	<05%	20%	70%

Forecast for Sunday 16 Oct 2022

Weather: Showers overnight, quite frequent and heavy at times initially, however outbreaks turning lighter and less frequent towards dawn. Only a few scattered light showers during the morning between bright and sunny spells. Cloud gradually thickening and lowering from the west through the afternoon to bring some patchy rain come early evening which turns more organised and heavy late evening, with a risk of some thunder.

Chance of cloud-free hill tops above 600m: 80-90% at first, becoming 95% plus by late morning, then lowering 70% by early evening 30% by midnight.

Low cloud and visibility: Good becoming sporadically moderate by day in showers and widespread moderate or poor in later rain. Cloud bases infrequently lowering to 500m in daytime showers, before turning more extensive to that level during the evening as the rain develops.

Forecast for Sunday 16 Oct 2022

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	30/41 SW	27/36 SW	20/29 SW	20/28 SW	17/24 SW	13/19 S	17/26 SE	26/38 SE	25/36 S
300	24/35 SW	20/30 SW	15/23 SW	14/21 SW	12/18 SW	10/16 S	14/24 SE	21/34 SE	19/30 S
Valley	15/34 SW	13/27 SW	8/21 SW	10/20 SW	10/18 SW	7/15 S	9/23 SE	16/35 SE	14/31 S

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	6/0	5/-1	4/-2	5/-0	7/3	9/6	8/5	8/4	10/6
300	8/4	8/3	6/2	8/4	10/8	11/9	11/8	11/7	12/9
Valley	9/6	8/4	6/4	8/5	11/9	12/10	11/9	11/8	13/10
Freezing Level*	1400m	1200m	1100m	1100m	1200m	1300m	1800m	2200m	2300m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Risk of early severe wind chill across highest peaks.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
14:00 on Sat 15 Oct 2022	13mm	13.2mm	19mm

Forecast for Monday 17 Oct 2022

Weather: Periods of occasionally heavy rain soon clearing to showers overnight. Rather cloudy Monday morning with occasional blustery showers that turn heavy at times. Showers waning through the afternoon as brighter spells prosper.

Maximum wind: West or southwest mean 25-30 mph with gusts reaching 40-45 mph over most exposed ridges and summits, gradually easing from mid-afternoon.

Chance of cloud-free hill tops above 600m: 80% early morning, becoming 95% plus during the afternoon.

Low cloud and visibility: Good becoming moderate or poor in showers. Cloud bases occasionally lowering to 500m, mainly as the showers push through.

Temperature: **Valleys:** Plus 2 Celsius increasing 18 Celsius during the afternoon

At 600m: Plus 7 Celsius

Freezing level: Above summits